|     |          | 1 (BB)   |           |          | ex<br>IIIII |          |           |          |             |                             | 1811 ISS | I                                       |           |                        |              | 11       | 7/7      | 83          | 12        | ۵        |          |              |          |                       |                 | KE      | בעכ       |  | , H t     | )<br>)   |             |          |  |
|-----|----------|----------|-----------|----------|-------------|----------|-----------|----------|-------------|-----------------------------|----------|---|-----------|------------------------|--------------|----------|----------|-------------|-----------|----------|----------|--------------|----------|-----------------------|-----------------|---------|-----------|--|-----------|----------|-------------|----------|--|
|     |          |          |           |          |             |          |           |          |             |                             |          |   |           | 10/783,439<br>Examiner |              |          |          |             |           |          |          |              |          | KEKSI, CHRIS Art Unit |                 |         |           |  |           |          |             |          |  |
|     |          |          |           |          |             |          |           |          |             |                             |          |   |           |                        |              |          |          |             |           |          |          |              |          |                       |                 |         |           |  |           |          |             |          |  |
|     |          |          |           |          |             |          |           |          |             |                             |          |   |           |                        | Bret C Hayes |          |          |             |           |          |          |              |          | 3644                  |                 |         |           |  |           |          | <del></del> |          |  |
|     |          |          | Γ.        |          |             |          | $\neg$    |          |             | П                           | (1       | Throu                                   | ıah ı     | nun                    | ner          | al\      | $\neg$   | ſ           | Т         |          |          |              |          | П                     | 1               |         |           |  |           |          |             |          |  |
|     | √<br> =  |          |           | Rejected |             |          |           |          | -           | (Through numer<br>Cancelled |          |   |           |                        |              |          | N        | No          | n-E       | -Elected |          |              | A        | Appeal                |                 |         |           |  |           |          |             |          |  |
|     |          |          |           |          | Allowed     |          |           |          | ÷           | Restricted                  |          |   |           |                        | Ī            |          | 1-4      | nterference |           |          | 0        | Objected     |          |                       | ٦               |         |           |  |           |          |             |          |  |
|     |          |          |           |          | 7           |          |           |          |             | Ū                           |          |   |           |                        |              |          | Į        | 1           | ""(61     |          |          |              |          | Ш                     | Object          |         | ecte      |  |           |          |             |          |  |
| ſ   | Claim    |          |           |          | Date        |          |           |          |             |                             | $\neg$   | Claim                                   |           |                        |              | Date     |          |             | <br>)     |          | CI       |              | aim      | 1                     | Date            |         |           |  |           | $\neg$   |             |          |  |
| ſ   |          |          | 8         |          |             |          |           |          |             |                             |          |   |           |                        |              |          | T        |             |           |          |          | 1            |          |                       |                 | 7       | Τ         |  |           |          | T           | 7        |  |
| İ   | Final    | Original | 11/10/04  |          | İ           |          |           |          |             |                             |          | Final                                   | Original  |                        |              |          |          |             |           |          | 1        |              | Final    | Original              |                 | -       |           |  |           |          |             |          |  |
|     |          |          | L.        |          |             | _        |           |          |             |                             |          |   |           |                        | Ц            |          |          | _           | $\perp$   |          | ↓        |              |          | l                     |                 | 1       | 1         |  |           |          | _           | ╛        |  |
| -   |          | 2        | √<br>1    |          | -           |          | ┪         | -        | -           |                             | $\dashv$ | -                                       | 51<br>52  | +                      | Н            | $\dashv$ | -        | +           | +         | $\dashv$ | +-       | $\mathbf{I}$ | <u> </u> | 101<br>102            | $\vdash$        | +       | ╁         | ┼  | $\vdash$  | $\dashv$ | +           | 4        |  |
|     |          | _3       |           |          | $\Box$      | $\Box$   |           |          |             |                             |          |   | 53        |                        |              |          |          |             | 1         |          |          | 1            |          | 103                   |                 |         |           |  |           |          |             |          |  |
| }   |          | 5        | H         |          | _           | -        | -         | _        | _           |                             | _        | <u> </u>                                | 54<br>55  | 1                      |              | $\dashv$ | _        | -           | $\dashv$  | -        | +-       | ┨            | -        | 104                   |                 | -       | +         | ╄-   | Ш         | $\dashv$ | _           | 4        |  |
| -   |          | 6        | H         | -        |             | $\dashv$ | -         |          |             |                             |          | -                                       | 56        | ╁                      |              | $\dashv$ | _        | $\dashv$    | $\dashv$  | +        | +        | ┨            |          | 105<br>106            | $\vdash$        | +       | ╁         | $\vdash$   | Н         | $\dashv$ | +           | $\dashv$ |  |
| Ì   |          | 7        |           |          |             |          |           |          |             |                             |          |   | 57        |                        |              |          | Ţ        | $\exists$   |           |          |          | 1            |          | 107                   |                 |         |           | $\top$   |           | $\top$   | +           | ┪        |  |
|     |          | 8        | $\sqcup$  |          |             | $\dashv$ |           | _        |             |                             |          | <u> </u>                                | 58        | _                      |              | _        |          | _           | $\perp$   | 4        |          | ]            |          | 108                   | П               | $\perp$ | Ţ         |  |           | $\Box$   |             | $\Box$   |  |
| -   |          | 9<br>10  | $\vdash$  |          | $\dashv$    | -        | $\dashv$  | $\dashv$ | _           | -                           |          | -                                       | 59<br>60  | ┼                      | Н            | $\dashv$ | $\dashv$ | $\dashv$    | +         | +        | ╁        | ┨            |          | 109<br>110            | $\vdash$        | -       | ╁         | ╀  | $\vdash$  | $\dashv$ | +           | $\dashv$ |  |
|     |          | 11       | H         |          |             |          | 7         | $\dashv$ |             |                             |          | -                                       | 61        | +                      | Н            | 7        | $\dashv$ | $\dashv$    | $\dashv$  | $\top$   | +        | ┨            |          | 111                   |                 | +       | ╁         | <del>                                     </del> | _         | $\dashv$ | $\dashv$    | $\dashv$ |  |
|     |          | 12       | $\Box$    |          | $\Box$      |          |           |          |             |                             | $\Box$   |   | 62        |                        |              |          |          |             |           |          |          | ]            |          | 112                   |                 |         |           |  |           |          |             |          |  |
| -   |          | 13<br>14 | Н         |          | -           | 4        | $\dashv$  | _        | _           |                             | _        | ļ                                       | 63<br>64  | ╀                      | Ш            | 4        | _        | 4           | 4         | +        | +        | 4            |          | 113                   | $\sqcup$        | $\perp$ | 4-        | $oxed{\bot}$                                     |           |          | _           |          |  |
| -   |          | 15       | H         |          |             | $\dashv$ | $\dashv$  | $\dashv$ | -           | $\dashv$                    | $\dashv$ |   | 65        | ╁                      | Н            | $\dashv$ | $\dashv$ | $\dashv$    | $\dashv$  | +        | +-       | 1            |          | 114<br>115            | -               | +       | +         | $\vdash$   | $\vdash$  | -        | +           | $\dashv$ |  |
|     |          | 16       |           |          |             |          |           |          |             |                             |          |   | 66        |                        |              |          |          | _           |           |          |          | 1            |          | 116                   |                 |         | $\dagger$ |  |           | T        |             | $\dashv$ |  |
| -   |          | 17       | $\Box$    |          | $\sqcup$    |          |           | _        |             |                             | _        |   | 67        | <u> </u>               |              | $\Box$   |          |             |           |          | 1        | ]            |          | 117                   |                 |         |           |  |           |          |             |          |  |
| -   |          | 18<br>19 | H         | -        | $\dashv$    |          | $\dashv$  | $\dashv$ | -           |                             | _        | -                                       | 68<br>69  | ╀                      | Н            |          | $\dashv$ | +           | +         | +        | +-       | ┨            |          | 118<br>119            | ╀┼              |         | +         | ╂—   | Н         | 4        | 4           | 4        |  |
| ŀ   |          | 20       | 1         |          | $\dashv$    | -        | 1         | _        | _           | $\dashv$                    | $\dashv$ | -                                       | 70        | ╁                      | Н            | $\dashv$ | $\dashv$ | +           | +         | +-       | ╁        | 1            |          | 120                   | $\vdash$        | +       | ╁         | $\vdash$   |           | $\dashv$ | +           | ╡        |  |
| . [ |          | 21       |           |          | $\Box$      |          |           |          |             |                             |          |   | 71        |                        |              |          |          |             |           |          |          | ] ;          |          | 121                   |                 |         |           |  |           |          |             |          |  |
| -   |          | 22<br>23 | $\vdash$  | $\dashv$ | $\dashv$    | -        | $\dashv$  |          |             |                             | $\dashv$ | -                                       | 72<br>73  | ╄                      |              | $\dashv$ | $\dashv$ | $\dashv$    | -         | +        | ┼        | -            |          | 122<br>123            | $\vdash$        | -       | _         | 1  | H         | _        | _           | 4        |  |
| F   |          | 24       | Н         | _        |             | $\dashv$ | -+        | $\dashv$ | $\dashv$    |                             | $\dashv$ |   | 74        | -                      | Н            | $\dashv$ | $\dashv$ | +           | +         | +        | +        | 1            |          | 123                   | ╁               | +       | ╅         | -  | $\dashv$  | $\dashv$ | +           | $\dashv$ |  |
|     |          | 25       |           |          |             |          |           |          |             |                             |          |   | 75        |                        |              |          | $\Box$   |             | T         |          | 1        | 1            |          | 125                   |                 |         | +         | $\vdash$   |           | $\dashv$ | 十           | $\dashv$ |  |
|     |          | 26       |           | _        | -           | $\dashv$ | 4         | $\dashv$ | _           |                             | _        | <u> </u>                                | 76        | -                      |              | $\Box$   | _        | $\perp$     | _         |          | 1_       | ]            |          | 126                   |                 |         |           |  |           |          | $\Box$      | $\Box$   |  |
|     |          | 27<br>28 |           | $\dashv$ | $\dashv$    | +        | $\dashv$  | -        | $\dashv$    | $\dashv$                    |          | -                                       | 77<br>78  | $\vdash$               | $\dashv$     | $\dashv$ | $\dashv$ | -           | +         | +        | +        | ┨╶           |          | 127<br>128            | $\vdash$        | +       |           | Н  | $\dashv$  | 4        | +           | -        |  |
|     |          | 29       |           |          |             | ┪        |           |          |             |                             | $\dashv$ |   | 79        |                        |              |          | +        | +           | $\dashv$  | +        | +-       | 1            |          | 129                   | H               | ╁       | +         | $\vdash$   |           | $\dashv$ | $\dashv$    | $\dashv$ |  |
|     |          | 30       |           | $\Box$   |             | $\Box$   |           |          |             |                             |          |   | 80        |                        |              |          |          |             |           |          |          | 1            |          | 130                   |                 |         |           |  |           |          |             | ╛        |  |
| -   |          | 31<br>32 | $\vdash$  | $\dashv$ | $\dashv$    | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$    | $\dashv$                    |          |   | 81<br>82  | $\vdash$               |              | $\dashv$ | +        | -           | +         | +        | +        |              |          | 131                   | $\vdash$        |         | +-        | $\vdash$   | $\Box$    | _        | 4           | 4        |  |
| }   |          | 33       |           | +        | $\dashv$    | +        | $\dashv$  | -        | $\dashv$    | -                           | $\dashv$ |   | 83        | $\vdash$               | $\dashv$     | +        |          | +           | +         | ╁        | +        | 1 1          |          | 132<br>133            | $\vdash$        | ╫       | ┽╴        | $\vdash$   | $\dashv$  | $\dashv$ | +           | +        |  |
|     |          | 34       |           |          |             |          | 1         |          | $\sqsupset$ |                             | $\Box$   |   | 84        |                        |              |          |          |             |           | 士        |          | 1 1          |          | 134                   |                 | $\top$  | $\top$    | $\vdash$   | $\exists$ | 寸        | +           | ┨.       |  |
| -   | $\dashv$ | 35<br>36 |           | _        | 4           | $\dashv$ | _         | $\dashv$ | 4           | 4                           | _        |   | 85        | Ш                      |              | $\perp$  | $\perp$  | $\dashv$    | $\perp$   | $\perp$  |          | ]            |          | 135                   |                 | $\perp$ |           |  |           |          |             |          |  |
| -   | -        | 37       |           | +        | $\dashv$    | +        |           | +        | -           | $\dashv$                    |          |   | 86<br>87  | $\vdash$               | -            | $\dashv$ | $\dashv$ | +           | +         | +        | +        | ł ]          |          | 136<br>137            | $\vdash$        | +       | +         | Н  | $\dashv$  | -        | +           | 4        |  |
|     |          | 38       |           |          |             | _        |           |          | T           |                             | 7        |   | 88        | $\vdash$               | $\dashv$     | 十        | _        | Ť           | +         | $\top$   | +        | 1 1          |          | 138                   | $\dashv$        | +-      | ╁╴        | H  | -         | -+       | ╁           | $\dashv$ |  |
|     |          | 39       |           |          | $\Box$      | $\perp$  | $\perp$   | $\Box$   | _[          | _                           |          |   | 89        | П                      | $\Box$       | $\Box$   |          |             | $\perp$   |          |          | ] i          |          | 139                   |                 |         |           |  |           |          | 工           |          |  |
| -   | $\dashv$ | 40<br>41 | $\dashv$  | $\dashv$ | +           | +        | +         | 4        | $\dashv$    | $\dashv$                    |          | <u> </u>                                | 90<br>91  |                        | $\dashv$     | -        | $\dashv$ | +           | +         | +        | $\vdash$ |              |          | 140                   | $\dashv$        | 4       | 1         | Ш  | _         | $\perp$  | _           | 4        |  |
| F   |          | 42       | $\exists$ | $\dashv$ | $\dashv$    | $\dashv$ | $\dashv$  | +        | $\dashv$    | $\dashv$                    | $\dashv$ |   | 92        | H                      | $\dashv$     | $\dashv$ | +        | +           | +         | ╁        | +        |              |          | 141<br>142            | $\vdash \vdash$ | +       | +         | ╁┤   | $\dashv$  | $\dashv$ | +           | $\dashv$ |  |
|     |          | 43       |           | $\Box$   | $\Box$      | $\Box$   | $\exists$ | $\Box$   | $\sqsupset$ | $\Box$                      | $\Box$   |   | 93        | П                      | ╛            | $\Box$   | 1        |             |           | 上        |          | 1            |          | 143                   |                 | 士       |           |  |           | _†       | 士           | ]        |  |
|     | -4       | 44<br>45 | $\dashv$  | -        | $\dashv$    | +        | $\dashv$  | -        | $\dashv$    | 4                           | 4        | <b></b>                                 | 94<br>95  | $\sqcup$               | _            | 4        | _        | _[          | $\bot$    | $\perp$  | $\perp$  |              |          | 144                   | $\Box$          | T       | $\perp$   | П  | $\exists$ | $\Box$   | $\perp$     | ]        |  |
| -   | $\dashv$ | 46       | $\dashv$  | $\dashv$ | $\dashv$    | +        | $\dashv$  | +        | $\dashv$    | ┥                           | $\dashv$ |   | 96        | $\vdash$               | $\dashv$     | $\dashv$ | $\dashv$ | +           | +         | +        | $\vdash$ |              |          | 145<br>146            | $\vdash \vdash$ | +       | +-        | ⊢┤   | $\dashv$  | +        | +           | 4        |  |
|     |          | 47       |           | 亅        | 士           |          |           |          | Ⅎ           | ╛                           |          |   | 97        |                        | ╛            | _        | _        | $\dagger$   | $\dagger$ | +        | T        | 1            | $\vdash$ | 147                   | $\vdash$        | +       | +         | $\vdash \vdash$                                  | -+        | +        | +           | $\dashv$ |  |
| -   | $\dashv$ | 48       | Ц         | 4        | $\bot$      | $\dashv$ | $\bot$    | $\dashv$ | 4           | $\dashv$                    | _]       |   | 98        | П                      | $\Box$       | 1        | $\perp$  | $\Box$      | 1         | 1        | $\Box$   |              |          | 148                   | $\Box$          |         | $\perp$   |  | $\Box$    |          | 工           |          |  |
| -   | $\dashv$ | 49<br>50 | $\dashv$  | +        | $\dashv$    | +        | +         | +        | $\dashv$    | $\dashv$                    | $\dashv$ |   | 99<br>100 | $\vdash$               | $\dashv$     | +        | +        | +           | +         | +-       | $\vdash$ |              |          | 149<br>150            | +               |         | +         | ${oxed{\sqcup}}$                                 | _         |          | +           | 4        |  |
| L   |          |          |           |          |             | _1       |           |          |             |                             |          | لــــــــــــــــــــــــــــــــــــــ | 100       |                        |              |          |          | ᆚ           | L         |          | 1        | JL           |          | JUU                   |                 | - 1     | 1         | 1 1  | - 1       | - 1      | - 1         | - 1      |  |

Application No.

Applicant(s)